THE TECH

VOL. XXIX. NO. 107. BOSTON, MASS., SATURDAY, MARCH 5, 1910 PRICE ONE CENT

PARKER GETS BASKET-BALL CAPTAINCY AGAIN

Majority Of Present Team To Be Back Next Year--- Out-Look Better

Captain T. B. Parker has been re-elected to lead the basket-ball team next season. Parker has been actively connected with basket-ball since he entered the Institute; in his first year he made the 'varsity team and this year he was chosen to be captain. He has been Tech's star this season and ranks among the foremost college players. Last year he was picked for the New England all-intercollegiate team.

The team has not had as successful a season this winter as they had last. Out of the fourteen games on the schedule Tech won six. Last year's team won nine of the sixteen games played.

Capt. Parker says that he intends to keep the men in better training throughout the basket-ball season next year. With the experience of this year to help him out, it is expected that Parker will be able to turn out a team which will make a good showing against all its regular opponents.

Of last year's men, T. B. Parker, A. T. Bennis and W. B. Hargraves played this year. The team was handicapped at the start by the forced withdrawal of P. M. Wentworth; Wentworth and Parker always played together, in a way, and, after Wentworth's disqualification there seemed to be no one who could fill his place. The team failed to develop the game as a team, although a number of the men played fine individual games. Hargraves, Johnston and Darling, not to mention Parker, have done fine work during the season, but in every game the team lacked that essential feature which is required to win—playing as a unit.

The men who have played on the team are Capt. T. B. Parker, W. B. Hargraves, A. T. Bennis, H. F. Johnston, H. S. Crocker, G. S. Darling and C. S. Ell. Hargraves is the only man that Tech will lose through graduation. Johnston, Crocker and Darling, who are Freshmen, will probably be in the game next year. W. M. Pettingell has done fine work on the second team and is in line for the 'varsity next year. W. D. Everett arranged a very creditable schedule and has showed himself a capable manager.

The New York trip was not successful, the Institute team winning only from the two minor schools, and being completely outclassed by Rochester and Niagara.

The complete resume of the season is as follows:—

Jan. 5	Tech 8, Tufts 19.
Jan. 8	Tech 45, Lowell Textile 4.
Jan. 11	Tech 19, Dartmouth 31.
Jan. 15	Tech 16, Brown 14.
Feb. 1	Tech 35, Alfred Univ. 19.
Feb. 2	Tech 13, Niagara 26.
Feb. 4	Tech 24, Conesus 20.
Feb. 5	Tech 9, Rochester 39.
Feb. 9	Tech 12, Tufts 18.
Feb. 16	Tech 14, Brown 32.
Feb. 19	Tech 9, R. I. State 34.
Feb. 21	Tech 13, Wilfiams 25.
Feb. 24	Tech 49, Lowell Textile 17.
Feb. 26	Tech 48, U. of Maine 22.
Totals	Tech 314. Opponents 320.

New York, Mar. 5.—The Russian steamer Korea, buffeted by storms on the North Atlantic and pounded into helplessness by heavy seas, was abandoned by her crew on March 1, and left to her fate, sinking fast. The crew of 48 were taken off by the steamer Caledonia and are on their way home.

1913 VS. LOWELL TEXTILE IN TRACK MEET TONIGHT

Will Be Held At Lowell---Latter Will Have Its Varsity Team In

Tonight the Freshmen track team will meet Lowell Textile in the second indoor track contest of the season. Lowell will have its 'varsity squad on the floor and they expect to win the meet; they have made all arrangements to suit themselves and the Freshmen will be at a disadvantage owing to the strange floor. The 12-pound shot has been substituted for the 16-pound, which the Freshmen have always practiced with, and low hurdles are to be used instead of the high. Medals will be given to first place winners.

There will be seven events only—the pole-vault having been dropped. The other contests are the 25-yd. dash, 360-yd. run, 880-yd. run, 25-yd. low hurdles, running high jump, one-mile run, and the shot-put.

The relay team will run the mile against the Lowell 'varsity team.

A. J. Morcom and C. E. Trull should be among the leaders in the dashes; H. G. Burnham will probably place in the 360-yd. run; A. S. Milliken is good for a place in the mide, and R. D. Sampson is almost sure of being one of the winners in the half-mile.

The entries are:—

25-yd. dash—C. E. Trull, A. J. Morcom, H. G. Burnham, H. H. Thompson.

360-yd. run—H. H. Thompson, H. G. Burnham.

880-yd. run—R. B. Sampson, W. R. Bylund, B. S. Munch.

One-mile run—A. S. Milliken, R. D. Bonney, C. W. Brett.

25-yd. low hurdles—C. E. Trull, A. J. Morcom, C. G. Fallon, K. D. Hamilton.

High jump—C F. Cairns, C. G. Fallon, W. R. Bylund.

Shot-put—C. F. Cairns, K. D. Hamilton, N. D. MacLeod.

Relay Team—H. G. Burnham, H. H. Thompson, R. D. Sampson, B. Munch.

The team is to meet in the Union at 3 P. M.

SPECIAL TALKS END

"Employer And Employee" Subject Of Third Lecture

The problem of the relation between employer and employee was the subject of yesterday's lecture by Mr. M. C. Whitaker. He took up the subject under the three heads—supervision, miscellaneous or non-productive labor, and the class of labor usually referred to as "help." The men whose work consists of supervision are technicaly trained men and skilled foremen. The relation between employer and these two classes of employees is entirely different, for the technically trained man is broad, well educated, and consequently not super-sensitive, while the skilled foreman who has risen from the ranks is apt to be touchy and must be treated very diplomatically. The salary which both these classes of men receive should be regulated by two factors: their value to the corporation, and the value of the experience they get to themselves. In the manufacture of patent goods which are made by only one firm, the value of the experience is nothing to the man, so his pay should proportionately be more.

The "help" in a factory, Mr. Whitaker

(Continued on page 3.)

PROF. SWAIN TELLS OF FORESTS AND FLOODS

Why Children Of The Woods Get More Wet Weather Than We

One of the largest audiences Union night has seen, turned out to hear Prof. George F. Swain talk on "Forests and Floods." Many Course I men were present.

Prof. Swain said there was little difference of opinion on the subject of the influence of forests on floods, and what difference there is is due to false reasoning. Of the two methods of reasoning, the inductive and deductive, the inductive is more convincing. Some people even want statistics on the question of the future life.

The inductive method cannot be used in the case of forests and floods, because of the lack of statistics. To study conditions acurately we must vary only one element at a time. We cannot tell whether mince pie gives indigestion if we eat mince pie, lobster salad and welsh rarebit at the same time. With the experiment on rainfall it is impossible to vary but one element at a time. There is very great variation in the whole subject of meteorology.

The two main points that prove the influence of forests on rainfall are that forests decrease the temperature and increase evaporation. The cooling effect of forests brings the surrounding atmosphere nearer the point of saturation and so induces rainfall. If there was no evaporation from the land on which the rain fell there would be a cycle, say of thirty inches of rain, rising from the sea, falling on the land and flowing to the sea again. If, however, ten inches of the rain evaporate from the land, letting only twenty flow back to the sea, the same amount will come from the sea, and the rainfall is increased by ten inches. Thus the evaporation caused by the forests increases the rainfall. This does not mean that if one plants trees in his back yard, he will have a greater rainfall than his neighbor; it applies to great areas of forests.

As to the effects of forests on floods in rivers, some engineers say. "There has been no change in the flow of the Merrimac in the last twenty years. Therefore forests have no effect on the flow of a river." But they know nothing about the forested lands on the Merrimac. Floods depend on the distribution of the rainfall, the permeability of the soil, and the slope of the land. It is certain that forests retard the flow of water from the surface of the land. The water percolates through the soil, among the roots of trees. The trees also

(Continued on page 4.)

BROOKLINE HIGH CLUB

A regular meeting of the Brookline High School Club will be held at the home of L. G. Glazier, 272 Washington Street, Brookline, Saturday, March 5, at 8 P. M. Malcolm D. Price '10 will address the club on the Mardi Gras Carnival at New Orleans. He witnessed the event himself during his mid-year vacation and hence will be able to impart some very interesting information to the club.

A new chairman of the log committee will be elected, owing to the resignation of Wellesley Seligman, who has recently accepted a position in Cobalt. Harry Thompson '13 will read the log of the last meeting.

LOOKING FORWARD TO ANNUAL PRIZE DRILL

Company And Individual Drill--- Should Arouse Interest Of Freshmen

As there seems to be little or no knowledge among the freshmen members of the M. I. T. battalion concerning the annual prize drill, which occurs on one of the last few drill days of the second term, it seems well to present a little information on the subject at this time. It seems only reasonable to expect that when the men know their own company is going to compete with the others for first honors, that they will strive harder for the few remaining weeks of drill to make their company's chances better.

Every year it has been the custom to hold a prize-drill or competition among the four companies, and an individual drill in the manual of arms by picked men from each company.

There are three prizes, consisting of medals for the three men who do best in the individual drill. This competition is carried on by a weeding-out process. In the first place about twenty-four men come on the floor, and are put through the manual of arms by some one of the commissioned officers. These men,—there are usually six from each company—have been picked by their company officers as most proficient in the manual. The judges watch the men for mistakes, and as they make any failures, note their numbers on paper. After about fifteen minutes of pretty strenuous drilling, the squad is marched off the floor, and the unfortunates whose blunders have been noticed, are kindly but firmly made aware of the fact, and they drop out of their places in the line. The process is repeated three times, and the three men who have gone through the drill without mistakes, or perhaps have been fortunate enough to "get by" the eagle eye of the judge, get the prizes according to their individual excellency.

In the company competition each company goes on the floor alone, and goes through a prescribed series of movements under the command of its captain. The company which, in the opinion of the judges, does the best work is adjudged the victor, and bears off the honors of the day.

In order, however, to give the men something more substantial than honor as a reward for their good work, the winning company enjoys a free banquet at the expense of the others. A few weeks before prize drill, an assessment of fifteen cents is levied on each man in the battalion, and this, with any money obtained by the sale of tickets for the drill, goes to pay for the "feed."

MEETING POSTPONED

On account of a large number of conflicts the meeting of the Wireless Society, which was to be held yesterday afternoon, was postponed until Monday at 4.00 P. M. in 11 Eng. B. The Institute Committee business is to be brought up at this time, and should merit the full attention of the society.

CALENDAR.

Saturday, March 5.

3.00—Cross-country practice run from Gym.

8.00—Track: 1913 vs. Lowell Textile at Lowell.

8.00—Brookline H. S. Club at home of L. G. Glazier, Brookline.

Monday, March 7,

4.00 P. M.—Wireless Club Meeting in 11 B.

THE TECH

Published daily, except Sunday, during the college year by students at the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 29, 1909, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

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All communications should be addressed to the proper departments.

Subscriptions $1.50 per year in advance. Single copies 1 cent.
Subscriptions within the Boston Postal District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Puritan Linotype, Boston, Mass.

BOSTON, MASS., MARCH 5, 1910.

The three lectures recently delivered on factory management show a way in which the departments can furnish much of interest to the students. The lectures appealed to many others than those in that department. Mr. Whitaker by his clear statement of practical problems presented a phase of life in which all soon expect to take part. Such lectures as these, given by men well acquainted with conditions, are of a great advantage as supplements to the regular curriculum.

Have you been in the card room of the Union? If not, just take a look any time during lunch hour or in the afternoon. An atmosphere of cigarette and pipe smoke so thick that is impossible to see clearly across the room is your first impression. Step further in—you will see two or three card-tables surrounded by an apparently eager gathering of students bent upon deducing the best play out of a dealt hand. Listen—you will hears sounds that are not at all fitting for such gatherings, yes—stories and exclamations that fill the very air with whirlpools of heterogeneous harmonics. Is this a pleasing sight? Would you care to show visitors the Union when conditions like this exist? No; of course you would not. Help change the tone existing in the small reading rooms of the Union.

GENERAL NEWS

TELEGRAPH NEWS OF THE MORNING.

WEATHER REPORT.

Washington, D. C., Mar. 5.—Fair Saturday. Light west to southwest winds.

Boston, Mar. 5.—John H. Cullen of Dorchester, teller of the Union Institution for Savings, 216 Tremont St., and prominent in the Bank Officers' Association, was arrested yesterday by order of Atty.-Gen. Malone, for the larceny of $1200 from the bank funds.

The arrest was on complaint of Bank Commissioner Chapin and was made by State Officers Keating and Hardiman. Arraigned before Judge Wentworth in the central police court, Cullen waived examination and was held in $1500 for the grand jury.

Boston, Mar. 5.—The Auto Show at Mechanics Building on Huntington Ave. opens tonight. Provisions are being made to entertain the largest crowd in the history of auto show attendance. Unusual decorative effects have been installed, and this year's show promises to be a record breaker.

Wooster, O., Mar. 5.—The Pennsylvania special, due in Chicago at 8.55 A.M., sideswiped a freight six miles west of here early yesterday, while travelling 50 miles an hour. Several freight cars were hurled across the track, but the passenger train did not leave the rails.

Roslyn, Wash., Mar. 5.—Word was received yesterday that the Shockum Mining Company's camp, 20 miles north, was wiped out by an avalanche last Tuesday. Of the 18 men in the camp all escaped except Supt. E. L. Simmons.

Everett, Wash., Mar. 4.—The report that 10 persons had been found alive at Wellington has caused great excitement, but is so far unconfirmed. The wire to Wellington was lost during last night's storm and it is impossible to get word direct from there.

Williamstown, Mar. 4.—The debate last night between Williams and Dartmouth in the triangular series, in which Brown was the third contestant, was won by Dartmouth.

Pittsburg, Mar. 5.—Eight students of the Carnegie technical schools have succeeded in building an airship that will really fly.

There has been a secret trial of the machine, and it worked to perfection.

New York, Mar. 5.—Pictures of the new canal which he announces he has discovered on Mars were shown for the first time to a popular audience last night by Professor Percival Lowell, director of the observatory at Phoenix, Ari., who argued in support of his belief that the planet is inhabited.

Spokane, Wash., Mar. 5.—After causing damage estimated at $1,500,000 in Central and Eastern Washington, the floods are beginning to subside.

Cambridge, Mar. 5.—Asserting that students in the higher institutions of learning should not atend any lectures except those that are congenial, and that the present system of education is all wrong, an editorial in the Harvard Crimson occasioned much comment about the college today, and action by the student body is expected to be taken.

Philadelphia, Mar. 5.—The failure of all efforts to secure arbitration in the Philadelphia street-car strike has resulted in the expected general walk-out. All Union men in the city are responding to the commands of their leaders, and work in the city is pratcically at a standstill.

WASHINGTON, D. C.

Washington, Mar. 5.—Something of Comdr. Peary's proofs of his discovery of the North Pole were laid before certain members of congress today.

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$10 PRIZE FOR DESIGN

The $10 prize offered by the Architectural Society for the best design for its insert in Technique was awarded to Edw. H. Kruckmeyer 1911, of Cincinnati. Five excellent designs were submitted, any one of which would have been a credit to the Society in Technique. The judges were Professors Despradelle and Gardiner, and Mr. Cox.

YALE SCHEDULE.

The Yale News yesterday published its football schedule for 1910. Two new teams have been added this year: Tufts and Vanderbilt taking the place of the Amherst and Springfield Training School games. There are two mid-week games in the schedule. Unless otherwise specified, the games will be played on Yale Field.

September 28.—Wesleyan.
October 1.—Syracuse.
October 5.—Tufts.
October 8.—Holy Cross.
October 15.—West Point at West Point.
October 22.—Vanderbilt.
October 29.—Colgate.
November 5.—Brown.
November 12.—Princeton at Princeton.
November 19.—Harvard.

FOREIGN.

Peking, Mar. 5.—The Russian government, in a formal note submitted to the Chinese board, rejects in toto China's proposal for the construction of the Aigun and Chinchow railroad.

Mexico City, Mar. 5.—A concession for a railroad 650 miles long, forming the connecting link between Mexico City and Meridia, Yucatan, has been granted by the federal government to American capitalists. Work of construction will be begun at once.

London, Mar. 4.—Charles W. Fairbanks, accompanied by his wife and Ambassador Reid, visited King Edward at Buckingham Palace yesterday.

SPECIAL TALKS

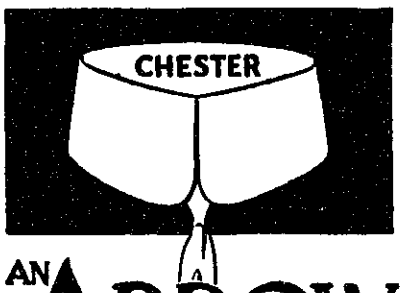
(Continued from page 1.)

divides into skilled labor and unskilled labor. The latter class is sub-divided into trained help, which is not necessarily skilled, and untrained help, such as factory helpers, laborers, etc. The handling of all "help," whether skilled or unskilled, is a problem of great difficulty, and one which must be solved in each particular case. The only general statements which Mr. Whitaker made were that piece-work resulted in greater profit for both employer and employee, that payment should be proportioned to the value produced, and that a system of co-operation in which the employees were permitted to share in the benefits derived from improvements always resulted in the employees taking more interest in the business of the corporation.

THINGS TO FORGET.

If you see a tall fellow ahead of a crowd,
A leader of men, marching fearless and proud,
And you know of a tale, whose mere telling aloud
Would cause his proud head in anguish be bowed,
It's a pretty good plan to forget it.
If you know of a skeleton hidden away
In a closet, and guarded, and kept from the day,
In the dark, and whose showing, whose sudden display
Would cause grief and sorrow and lifelong dismay,
It's a pretty good plan to forget it.
If you know of a thing that will darken the joy
Of a man or a woman, a girl or a boy,
That will wipe out a smile, or the least way annoy,
A fellow, or cause any gladness to cloy,
It's a pretty good plan to forget it.

—Shriner.



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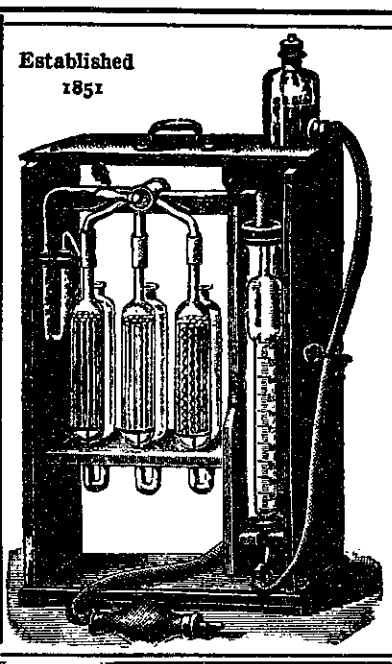

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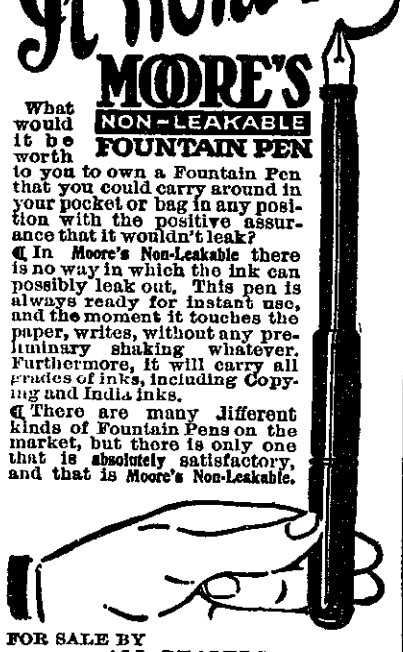

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NOTICES

FRENCH COLLOQUIUM B.

Exercises in this subject will be held hereafter from 12 to 1 instead of from 11 to 12, on Thursday; otherwise as heretofore.

FRENCH III A.

The section in this subject will recite hereafter to Mr. Erhardt, in Room 29 Lowell. Otherwise as heretofore.

WIRELESS SOCIETY.

Meeting this afternoon at 4.00 o'clock in II Eng. B.

SENIOR PORTFOLIO.

The committee earnestly asks every fellow in 1910 to have his picture taken, return the proof, hand in his history slip and pay the first deposit of $3.00 by March 15. This latter item will determine the number of books ordered.

DONALD V. WILLIAMSON,
Treas.

1913 RELAY.

Fifteen of the following men will be picked to go to Lowell next Saturday night: Morcon, Trull, Thompson, Burnham, Mattson, Sampson, Bylund, Munch, Milliken, Brett, Bonney, Hamilton, McLeod, Fallon, Rankin and Cairns, Everybody out for practice.

WM. KATZENBERGER, Mgr.

1912.—Ballots for Electoral Committee elections will be at the Cage Saturday, March 5th. Call and get yours.

FOUND.

Set of E. E. Lab. Notes. Owner may claim same at Cage and pay for this adv.

FOREST AND FLOOD

(Continued from page 1.)

delay the melting of the snow. This makes the flow of the streams more regular.

It cannot be claimed that forests have any effect on extreme floods. Some of the French scientists attribute the floods of the Seine to the destruction of the forests. A record written by Emperor Julian in 367 A. D. reports the flow of the Seine as very regular.

It is only through the connection between forests and floods that the United States government can legislate on the preservation of forests. The national government cannot go into the states buying up tracts of land for forests, unless it can be shown that the preservation of forests makes the streams more navigable.

This relation is true because the forests diminish floods, which wash down the soil and form sand bars. The fact that forests make the flows more regular aids navigation.

All the European countries, except Holland and Belgium, have recognized the importance of having their mountainsides devoted to forests.

It is true the United States ought to look out for its supply of lumber, for there is three times as much lumber used in a year as is grown.

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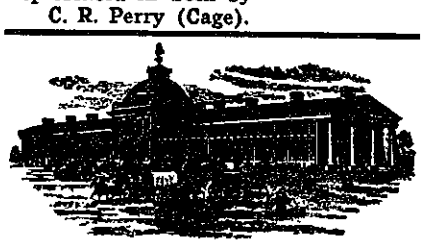

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